

CAP FOR A DERMAL TISSUE LANCING DEVICE

ABSTRACT OF THE DISCLOSURE

[00118] A cap for use with a dermal tissue lancing device (that includes a housing and a lancet movable with respect to the housing) includes a proximal end for engaging with the housing, a distal end for engaging with dermal tissue and an opening for a portion of the lancet to pass through. The distal end of the cap includes portions for engaging dermal tissue. These portions are resiliently deformable such that, when the cap contacts and is urged towards dermal tissue, the portions deform resiliently, engaging the dermal tissue and approaching theretogether. A process for the collection of a fluid sample (e.g., blood) from dermal tissue includes providing a dermal tissue lancing device with a housing, a cap and a lancet that is moveable with respect to the housing and the cap. The cap includes a proximal end for engaging with the housing, a distal end for engaging with dermal tissue, and an opening for a portion of the lancet to pass through. The distal end of the cap includes resiliently deformable portions for engaging dermal tissue. Next, the cap is contacted with the dermal tissue (e.g., dermal tissue of a fingertip, limb, or abdomen) such that the portions engage the dermal tissue. Subsequently, the cap is urged towards the dermal tissue such that at least first and second portions deform resiliently and approach theretogether to create a bulge in the dermal tissue. The bulge is then lanced to create a puncture from which a fluid sample is collected.